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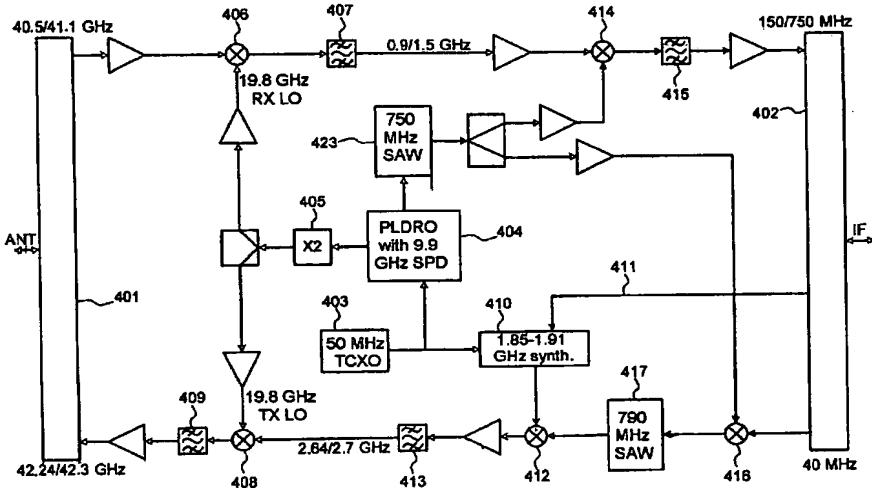
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(54) Title: VHF ADAPTER FOR CABLE NETWORK



(57) **Abstract:** The invention relates to VHF adapters for cable networks of the ODU type. It consists in using two conversion chains, up and down, in which a very stable single reference oscillator (403) drives means (404, 405, 410, 423) of generating the VHF and IF local frequencies common to these two conversion chains. A very selective surface wave filter (417) makes it possible to reject the frequency of the local oscillator at the level of the first intermediate frequency. It makes it possible to obtain a DOCSIS compatible millimetre MWS ODU whose frequency stability and spectral purity satisfy the constraints of the cable standard without undertaking spectral inversion of the signals transmitted and received.

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